

I. Overview

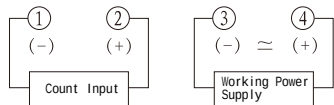
The JDM11-5H counter is suitable for use as a counting element in control circuits with an AC 50/60Hz power supply, a rated working voltage of AC220V and below, or a DC working voltage of 24V. It adopts a dedicated counting chip and features a 5-bit LED digital display, with advantages including a wide counting range, stable and reliable counting performance, and convenient, simple installation. This product complies with the requirements of JB/T 8794.

II. Main Technical Data

1. Working Voltage: AC220V, 110V, 36V, 24V (50/60Hz), with an allowable voltage fluctuation range of (85%~110%)Ue; DC12V, 24V.
2. Counting Range: 1~99999
3. Counting Signal:
 - a) Voltage-free type: Suitable for switch and contact signal input;
 - b) Voltage type (custom order required): Suitable for level signal input of DC4V~30V and AC220V voltage signals;
4. Counting Speed:
 - a) Voltage-free type (switch/contact): ≤ 30 counts/second;
 - b) Voltage type (level input): ≤ 1000 counts/second;
5. Counting Method: Additive counting
6. Reset Method: Zero reset via panel button switch
7. Power-off Memory: 10 years
8. Pollution Degree: Grade 3
9. Protection Class: IP20
10. Ambient Temperature: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$
11. Relative Humidity: $\leq 90\%$
12. Altitude: $\leq 2000\text{m}$
13. Installation Method: Panel snap-in type

①

III. Wiring Diagram



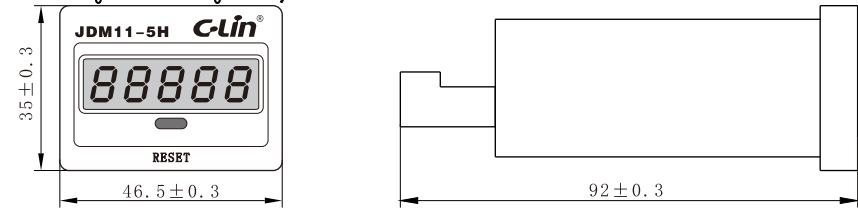
Notes: Terminals ① and ② are counting signal input terminals; Terminals ③ and ④ are power input terminals (for DC power supply, ③ is the negative pole and ④ is the positive pole).

IV. Counting Signal Input

Wiring Diagram for Contact Signal Counting (Voltage - free Type)	Wiring Diagram for Voltage Signal Counting (Voltage Type)	Wiring Diagram for Voltage Signal Counting (Voltage Type)
Counting signal Working Power Supply	Counting Signal (Voltage DC4-30V) Working Power Supply	Counting Signal (Voltage AC220V) Working Power Supply
Notes: For DC power supply, ④ is the positive pole and ③ is the negative pole; ① - ② are mechanical switch signal input terminals. Important Reminder: Never reverse the connection of counting signal input terminals (①, ②) and working power supply terminals (③, ④).	Notes: For DC power supply, ④ is the positive pole and ③ is the negative pole; ① - ② are voltage signal input terminals with voltage range DC4-30V, where ② is the positive pole and ① is the negative pole.	Notes: For DC power supply, ④ is the positive pole and ③ is the negative pole; ① - ② are voltage signal input terminals with voltage AC220V, which completely replaces DHC11J - AL. Note: Special instructions are required when ordering special - type products.

②

V. Outline and Installation Dimension Drawing (Installation Hole Size: $38.5_{+0.5}^{+0.5} \times 27.5_{+0.5}^{+0.5} \text{mm}$)



VI. Usage Instructions

1. Counting input wires should be as short as possible. Avoid routing them in the same conduit or twisted pair with other wires (such as power lines or power cables). If necessary, use shielded wires.
2. The JDM11 - 5H is normally supplied as a voltage-free type. For voltage-type orders, it must be specified.
3. The JDM11 - 5H is only suitable for contact and voltage signal counting. If photoelectric switch or proximity switch counting is required, please select HHJ10.

VII. Ordering Instructions

When placing an order, clearly state the product model, working voltage, counting signal type, and quantity.

- Examples:
- 1) JDM11 - 5H AC220V Voltage-free type 500 pieces
 - 2) JDM11 - 5H AC220V (Voltage type DC4 - 30V) 500 pieces
 - 3) JDM11 - 5H AC220V (Voltage type AC220V) 500 pieces

③



C-Lin
欣灵电气股份有限公司
XINLING ELECTRICAL CO., LTD.
地址: 浙江省乐清经济开发区纬十九路328号
电话: 0577-62735555 传真: 0577-62722963
官网: www.c-lin.cn 邮箱: xl@xinling.com
技术咨询: 400-8236-775



使用说明书
Products Instructions

JDM11-5H

Counter

Thank you very much for using C-Lin products. Please read the instruction manual before use!

29A047P0